

ABSTRACT OF THE DISCLOSURE

An angle measuring system that includes a rotor that rotates about an axis of rotation. A scanning unit is spaced from the rotor and the scanning unit is attached to a stator. The angle measuring system further includes a base and a coupling connected to the base and the stator so that a torsion-proof connection between the base and the stator results, wherein the coupling permits radial and axial compensating movements of the stator with respect to the base and the axis of rotation, wherein a first stop at the base and a second stop at the stator limit the radial and axial compensating movements.